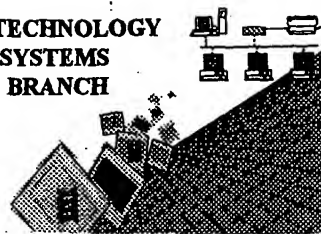


BIOTECHNOLOGY
SYSTEMS
BRANCH



0570
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RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/024,444A
Source: OIPF
Date Processed by STIC: 11/26/02

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002



OIPE

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

DATE: 11/26/2002

PATENT APPLICATION: US/10/024,444A

TIME: 13:58:13

Input Set : A:\Cura224.app

Output Set: N:\CRF4\11262002\J024444A.raw

3 <110> APPLICANT: Padigaru, Muralidhara
 4 Gerlach, Valerie L.
 5 Smithson, Glennnda
 6 Stone, David
 7 Bin-Yang, Ruey
 8 Conley, Pamela B.
 9 Hart, Matthew
 10 Tomlinson, James E.
 11 Topper, James N.
 12 Kekuda, Ramesh
 13 Casman, Stacie J.
 14 MacDougall, John R.
 15 Shlomit, Edinger R.
 17 <120> TITLE OF INVENTION: Novel GPCR-Like Proteins and Nucleic Acids Encoding
 18 Same
 20 <130> FILE REFERENCE: 21402-224 AG
 22 <140> CURRENT APPLICATION NUMBER: 10/024444A
 23 <141> CURRENT FILING DATE: 2001-12-18
 25 <150> PRIOR APPLICATION NUMBER: 60/256635
 26 <151> PRIOR FILING DATE: 2000-12-18
 28 <160> NUMBER OF SEQ ID NOS: 12
 30 <170> SOFTWARE: PatentIn Ver. 2.1
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 33 <211> LENGTH: 977
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Unknown Organism
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: Description of Unknown Organism: Unknown
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 43 atacatgttg gcactgacca gcaatggtct gctgctcctg gccatcacca tagaagcccg 180
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 49 gattgctata ggacatacca tgtacactat gcacctccct ttctgtgtgt cctgggaaat 540
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 54 tgccacattc atgtatgtct tgcccagttc cttccacagc cccaaacaag acaacatcat 840

— must explain genetic
 source - see ena
 summary sheet item
 11

RAW SEQUENCE LISTING

DATE: 11/26/2002

PATENT APPLICATION: US/10/024,444A

TIME: 13:58:13

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72 Ile Leu Asn Asp Ser Gly Ser Pro Glu Leu Leu Tyr Ala Thr Phe Thr
73 20 25 30
75 Ile Leu Tyr Met Leu Ala Leu Thr Ser Asn Gly Leu Leu Leu Leu Ala
76 35 40 45
78 Ile Thr Ile Glu Ala Arg Leu His Met Pro Met Tyr Leu Leu Leu Gly
79 50 55 60
81 Gln Leu Ser Leu Met Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
82 65 70 75 80
84 Ala Leu Ala Asp Phe Leu Arg Arg Glu Asn Thr Ile Ser Phe Gly Gly
85 85 90 95
87 Cys Ala Leu Gln Met Phe Leu Ala Leu Thr Met Gly Ser Ala Glu Asp
88 100 105 110
90 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
91 115 120 125
93 Pro Leu Lys Tyr Met Thr Leu Met Ser Pro Arg Val Cys Trp Ile Met
94 130 135 140
96 Val Ala Thr Ser Trp Ile Leu Ala Ser Leu Ile Ala Ile Gly His Thr
97 145 150 155 160
99 Met Tyr Thr Met His Leu Pro Phe Cys Val Ser Trp Glu Ile Arg His
100 165 170 175
102 Leu Leu Cys Glu Ile Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
103 180 185 190
105 Ser Arg Tyr Glu Leu Ile Ile Tyr Val Thr Gly Val Thr Phe Leu Leu
106 195 200 205
108 Leu Pro Ile Ser Ala Ile Val Ala Ser Tyr Thr Leu Val Leu Phe Thr
109 210 215 220
111 Val Leu Arg Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
112 225 230 235 240
114 Cys Ser Ser His Leu Ile Val Val Gly Met Phe Tyr Gly Ala Ala Thr
115 245 250 255
117 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
118 260 265 270
120 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
121 275 280 285
123 Ile Tyr Ser Leu Arg Asn Lys Glu Val Met Arg Ala Leu Arg Arg Val
124 290 295 300
126 Leu Gly Lys Tyr Ile Leu Leu Ala His Ser Thr Leu

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Same error

RAW SEQUENCE LISTING

DATE: 11/26/2002

PATENT APPLICATION: US/10/024,444A

TIME: 13:58:13

Input Set : A:\Cura224.app

Output Set: N:\CRF4\11262002\J024444A.raw

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133 <213> ORGANISM: human
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140 20 25 30
142 Ile Leu Tyr Leu Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Ala
143 35 40 45
145 Ile Thr Met Glu Ala Arg Leu His Met Pro Met Tyr Leu Leu Leu Gly
146 50 55 60
148 Gln Leu Ser Leu Met Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
149 65 70 75 80
151 Ala Leu Ala Asp Phe Leu Arg Arg Glu Asn Thr Ile Ser Phe Gly Gly
152 85 90 95
154 Cys Ala Leu Gln Met Phe Leu Ala Leu Thr Met Gly Gly Ala Glu Asp
155 100 105 110
157 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
158 115 120 125
160 Pro Leu Thr Tyr Met Thr Leu Met Ser Ser Arg Ala Cys Trp Leu Met
161 130 135 140
163 Val Ala Thr Ser Trp Ile Leu Ala Ser Leu Ser Ala Leu Ile Tyr Thr
164 145 150 155 160
166 Val Tyr Thr Met His Tyr Pro Phe Cys Arg Ala Gln Glu Ile Arg His
167 165 170 175
169 Leu Leu Cys Glu Ile Pro His Leu Leu Lys Val Ala Cys Ala Asp Thr
170 180 185 190
172 Ser Arg Tyr Glu Leu Met Val Tyr Val Met Gly Val Thr Phe Leu Ile
173 195 200 205
175 Pro Ser Leu Ala Ala Ile Leu Ala Ser Tyr Thr Gln Ile Leu Leu Thr
176 210 215 220
178 Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
179 225 230 235 240
181 Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Ala Ala Thr
182 245 250 255
184 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Thr Arg Gln Asp Asn
185 260 265 270
187 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
188 275 280 285
190 Ile Tyr Ser Leu Arg Asn Lys Glu Val Met Arg Ala Leu Arg Arg Val
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193 Leu Gly Lys Tyr Met Leu Pro Ala His Ser Thr Leu
194 305 310 315
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198 <211> LENGTH: 316
199 <212> TYPE: PRT

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RAW SEQUENCE LISTING

DATE: 11/26/2002

PATENT APPLICATION: US/10/024,444A

TIME: 13:58:13

Input Set : A:\Cura224.app

Output Set: N:\CRF4\11262002\J024444A.raw

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207           20           25           30
209 Ala Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Val
210           35           40           45
212 Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Arg
213           50           55           60
215 Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Lys
216           65           70           75           80
218 Ala Val Met Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Gly Gly
219           85           90           95
221 Cys Ala Leu Gln Met Ala Leu Ala Leu Met Leu Gly Ser Ala Glu Asp
222           100          105          110
224 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
225           115          120          125
227 Pro Leu Asn Tyr Met Val Phe Met Ser Pro Thr Val Cys Trp Leu Ile
228           130          135          140
230 Val Ser Thr Ser Trp Ile Leu Ala Ser Leu Thr Ala Val Gly His Thr
231           145          150          155          160
233 Val Tyr Thr Met His Phe Pro Phe Cys Met Ser Gln Glu Ile Arg His
234           165          170          175
236 Leu Leu Cys Glu Ile Leu Pro Leu Leu Lys Leu Ser Cys Val Asp Thr
237           180          185          190
239 Ser Gln Tyr Glu Leu Met Val Tyr Val Thr Gly Val Thr Phe Leu Leu
240           195          200          205
242 Leu Pro Leu Ser Ala Ile Val Thr Ser Tyr Thr Leu Ile Leu Ser Thr
243           210          215          220
245 Val Leu His Met Pro Ser Asn Glu Gly Lys Lys Lys Ala Leu Val Thr
246           225          230          235          240
248 Cys Leu Ser His Leu Met Val Val Gly Met Phe Tyr Gly Ala Ala Thr
249           245          250          255
251 Phe Met Tyr Val Leu Pro Ser Ser Leu His Ser Ala Lys Gln Asp Asn
252           260          265          270
254 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
255           275          280          285
257 Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Leu Arg Arg Val
258           290          295          300
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261           305          310          315
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RAW SEQUENCE LISTING

DATE: 11/26/2002

PATENT APPLICATION: US/10/024,444A

TIME: 13:58:13

Input Set : A:\Cura224.app

Output Set: N:\CRF4\11262002\J024444A.raw

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273 Ile Leu Asp Gly Ser Gly Ser Pro Glu Leu Leu Cys Ala Thr Val Thr
274           20           25           30
276 Thr Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Leu Val
277           35           40           45
279 Ile Thr Val Asp Ala Arg Leu His Val Pro Met Tyr Leu Leu Leu Arg
280           50           55           60
282 Gln Leu Ser Leu Ile Asp Leu Leu Phe Thr Ser Val Val Thr Pro Asn
283 65           70           75           80
285 Thr Val Val Asp Phe Leu Leu Arg Asp Asn Thr Ile Ser Phe Glu Gly
286           85           90           95
288 Cys Ala Leu Gln Leu Phe Ser Ala Met Thr Leu Gly Gly Ala Glu Asp
289           100          105          110
291 Leu Leu Leu Ala Phe Met Ala Tyr Asp Arg Tyr Val Ala Ile Cys His
292           115          120          125
294 Pro Leu Asn Tyr Met Ile Phe Met Ser Pro Lys Ala Cys Arg Leu Met
295           130          135          140
297 Val Ala Ile Ser Trp Ile Leu Ala Ser Leu Ser Ala Leu Gly His Thr
298 145          150          155          160
300 Val Tyr Thr Met His Phe Pro Phe Cys Met Ser Gln Glu Ile Arg His
301           165          170          175
303 Leu Leu Cys Glu Val Pro Pro Leu Leu Lys Leu Ala Cys Ala Asp Thr
304           180          185          190
306 Ser Gln Tyr Glu Leu Met Val Tyr Val Thr Gly Val Ile Phe Leu Leu
307           195          200          205
309 Leu Pro Leu Ser Ala Ile Ile Thr Ser Tyr Ser Leu Ile Leu Phe Thr
310           210          215          220
312 Val Leu His Met Pro Ser Asn Glu Gly Arg Lys Lys Ala Leu Val Thr
313 225          230          235          240
315 Cys Ser Ser His Leu Thr Val Val Gly Met Phe Tyr Gly Gly Ala Thr
316           245          250          255
318 Phe Met Tyr Val Leu Pro Ser Ser Phe His Ser Pro Lys Gln Asp Asn
319           260          265          270
321 Ile Ile Ser Val Phe Tyr Thr Ile Val Thr Pro Ala Leu Asn Pro Leu
322           275          280          285
324 Ile Tyr Ser Leu Arg Asn Lys Glu Val Ile Gly Ala Val Arg Arg Val
325           290          295          300
327 Leu Gly Arg His Ile Leu Pro Ala His Ala Thr Val
328 305          310          315
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333 <212> TYPE: PRT
334 <213> ORGANISM: mouse
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341           20           25           30
343 Thr Leu Tyr Met Leu Ala Leu Ile Ser Asn Gly Leu Leu Leu Leu Val
344           35           40           45

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/024,444A

DATE: 11/26/2002
TIME: 13:58:14

Input Set : A:\Cura224.app
Output Set: N:\CRF4\11262002\J024444A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16,17

VERIFICATION SUMMARY

DATE: 11/26/2002

PATENT APPLICATION: US/10/024,444A

TIME: 13:58:14

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Output Set: N:\CRF4\11262002\J024444A.raw

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L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16